This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend the claims as indicated.

1. (currently amended) A method for treating a lignocellulosic substrate, the method comprising:

implanting the lignocellulosic substrate with cocalkylamine cocoalkylamine that increases the conductivity of the lignocellulosic substrate without covalently bonding to the lignocellulosic substrate or chemically reacting with the lignocellulosic substrate;

pre-heating the implanted lignocellulosic substrate;

coating the pre-heated implanted lignocellulosic substrate with a powder coating; and

curing the powder coated substrate.

- 2. (original) The method of claim 1 wherein the lignocellulosic substrate comprises a wood or wood composite.
- 3. (original) The method of claim 1 wherein the conductive material is in a liquid form.
- 4. (original) The method of claim 3 wherein the liquid conductive material is implanted into the substrate by spraying, dipping, brushing, or chemical vapor deposition.
- 5. (currently amended) The method of claim 1 wherein the conductive material is in a gas gaseous form.
- 6. (original) The method of claim 5 wherein the gas conductive material is implanted into the substrate by chemical vapor deposition, plasma source ion implantation, or diffusion.
- 7. (original) The method of claim 1 wherein the conductive material is in a solid form.
- 8. (previously presented) The method of claim 7 wherein the solid conductive material is implanted into the substrate by diffusion.

Feb-23-06

- 9. (currently amended) The method of claim 1 wherein the substrate is <u>pre-</u>heated by a furnace, or infra-red heat source.
- 10. (previously presented) The method of claim 1 wherein the powder is selected from the group consisting of epoxy, acrylic, and polyester.
- 11. (original) The method of claim 1 wherein the powder is cured thermally, via ultraviolet light radiation, or via electron-beam radiation.
- 12. (currently amended) A method for implanting a lignocellulosic substrate, the method comprising:

applying a solution comprising a liquid component and a cocalkylamine cocoalkylamine to the lignocellulosic substrate;

allowing the cocalkylamine <u>cocoalkylamine</u> to implant into the lignocellulosic substrate to increase the conductivity of the lignocellulosic substrate without covalently bonding or chemically reacting with the lignocellulosic substrate; and

removing at least some of the liquid component from the lignocellulosic substrate whereby the lignocellulosic substrate is enabled to provide an electrically conductive substrate for a subsequent electrostatic coating process.

- 13. (original) The method of claim 12 wherein removing at least some of the liquid component includes heating the lignocellulosic substrate.
- 14. (original) The method of claim 13 wherein the application of solution to the lignocellulosic substrate is repeated after the heating.
- 15. (original) The method of claim 13 wherein the application of solution to the lignocellulosic substrate is repeated prior to the heating.
- 16. (currently amended) The method of claim 12 wherein the cocalkylamine cocoalkylamine cocoalkylamine cocoalkylamine cocoalkylamine.
- 17. (currently amended) The method of daim 12 wherein the cocalkylamine cocoalkylamine is Cocoalkylmethylbis(2-hydroxyethyl) ammonium chloride.
- 18. (cancelled).
- 19. (currently amended) The method of claim 12 wherein the cocalkylamine cocoalkylamine is polyoxyethylene (15) cocoalkylamines.

- (cancelled). 20.
- A method for powder coating a medium density (currently amended) 21. fiberboard (MDF) substrate, the method comprising the steps of:

treating the MDF substrate with a solution including a cocalkylamine cocoalkylamine and a solvent;

allowing the cocalkylamine cocoalkylamine to implant into the MDF substrate to increase the conductivity of the MDF substrate without covalently bonding or chemically reacting with the MDF substrate;

heating the implanted MDF substrate to remove a majority of the solvent; applying an electrical voltage to the heated MDF substrate; and applying a charged coating substance to the voltage applied MDF substrate.

- The method of claim 21 wherein the applied voltage (previously presented) 22. is electrical ground.
- The method of claim 21 wherein the heating step is (previously presented) 23. performed at a substrate temperature from about 100° to 400° F.